ABSTRACT OF THE INVENTION

Weight sensor assemblies for measuring weight on a vehicle seat are mounted at the connecting points between a seat bottom frame and a seat mounting member. The weight sensor assemblies each include a beam member having a bendable center body portion for supporting a stain gage. The strain gage and associated traces are screen printed on the surface of the beam. The beam acts similar to a dual constrained cantilever beam, concentrating the bending at a reduced neck section that narrows in the middle of the center body portion. The strain gage measures strain resulting from bending in the center body portion caused by a weight force being applied against the seat.